

Smart ROP

Features

Smart ROP Series produce high quality pure water with superior resistivity and low TOC (<30ppb)

Output water can be stored in anti-contamination water tank, and is an ideal solution for routine laboratory application.

Technically combines RO Membrane, deionization and UV Lamp to achieve effective removal on all types of water contaminant.

Built-in UV Lamp is ideal for low bacteria application.

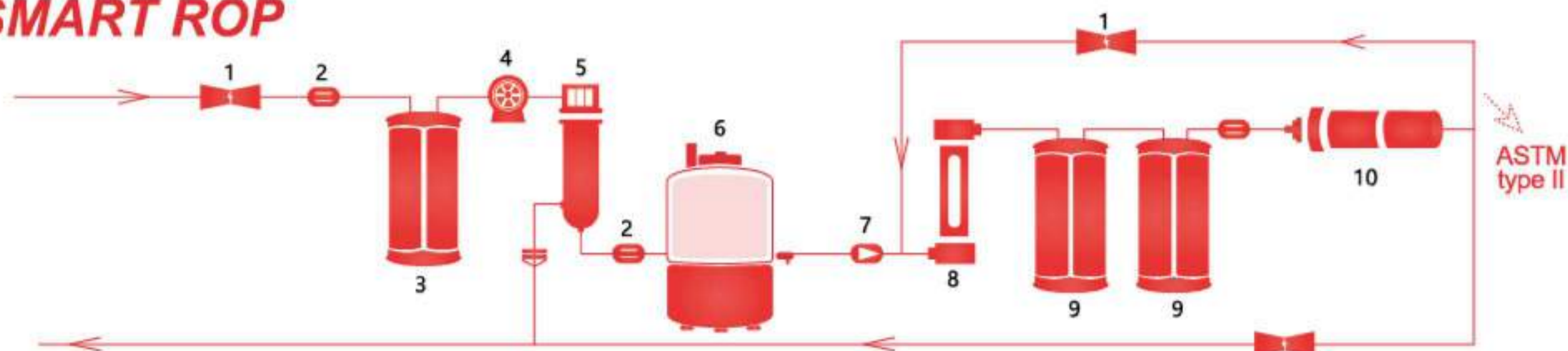


Model	Smart ROP (Bench Top)
Type	ROP-15/ROP-30
Feed Water Requirement	
Source	Tap water
Conductivity*	<2000us/cm
Hardness**	<450ppm as CaCO3
Pressure	0.05~0.5MPa(7-72psi)
Temperature	5~40 °C
Purification Water(Class III)	
Ionic Rejection	>95%
Bacteria Rejection	>99%
Conductivity	1~20us/cm(RO-2 5us/cm)
Productivity Rate	15L/h,30L/h
High Quality Purification Water(Class II)	
Resistivity At 25 °C	≥10MΩ.cm
TOC	≤30ppb
Dissolved Organic	<0.1ppm
Particulate(≥0.02um)	<1pc/ml
Bacteria	<1cfu/ml
Flow Rate	1.5~2.0L/min
Electrical Requirements	
Electrical Voltage	110V/220V±10%
Electrical Frequency	50Hz/60Hz
Packing Information	
Net Weight	
Main units	25kg
Water tank (30L/60L)	7kg
External Dimensions(W×D×H)	
Main units	315×525×570mm
Water tank (30L/60L)	380×380×595mm
Shipping weight	
Main units	37kg
Water tank (30L/60L)	13kg
Shipping Dimensions(W×D×H)	
Main units	525×610×770mm
Water tank (30L/60L)	520×440×615mm

* If feed water quality is poor(Conductivity>1000us/cm), strengthened pretreatment module and RO-2 type is highly recommended

** When hardness of feed water is high(>450ppm as CaCO3), 0.5T water soften is recommended

SMART ROP



- 1 Solenoid Valve
- 3 Pre-treatment Module
- 5 RO Module
- 7 Ball Valve
- 9 Purification Module
- 2 Conductivity Sensor
- 4 Boost Pump
- 6 Water Tank
- 8 Single Wave UV Cartridge
- 10 Micro-Filtration Cartridge

Smart RO

Features

Intelligent microprocessor control

High precision resistance sensor

Large LCD display shows system temperature, conductivity and resistivity, water tank level, water ration and other operation information

Automatic RO membrane rinse and flow limitation design improve cleaning result, and extend RO membrane' s lifespan

Heal Force' s reservoirs are designed with smooth sides and vented filtration maintain consistent purity of stored water and provide effective protection against airborne contaminants.

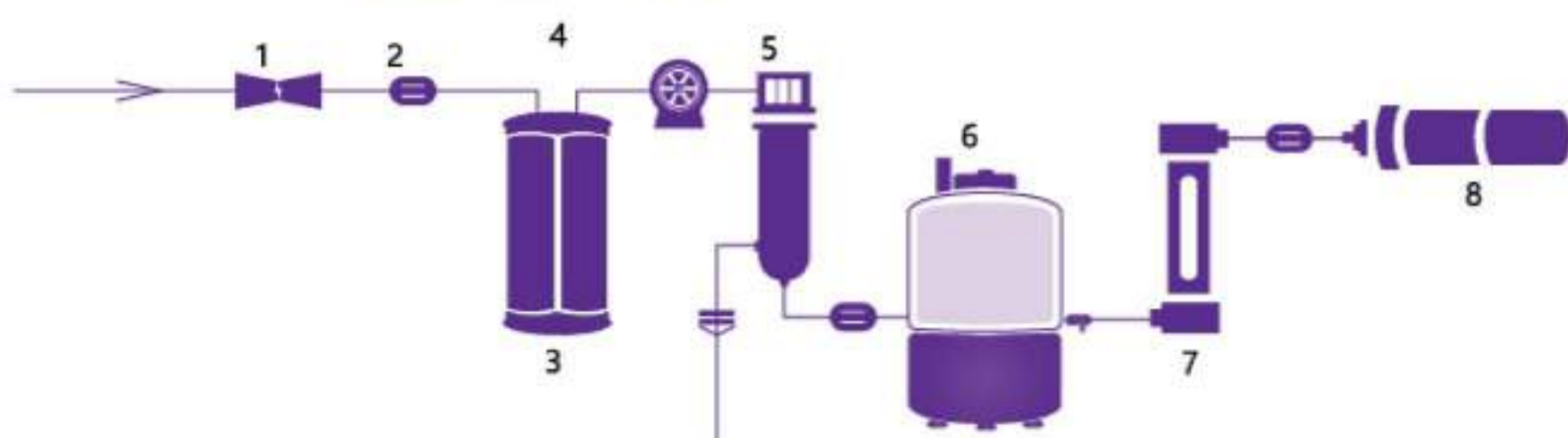


Model	Smart RO (Bench Top)	RO (Floor Type)
Type	RO-15/RO-30	RO-50/RO-100/RO-150
Feed Water Requirement		
Source	Tap water	Tap water
Conductivity*	<2000us/cm	<2000us/cm
Hardness**	<450ppm as CaCO3	<450ppm as CaCO3
Pressure	0.05~0.5MPa(7-72psi)	0.05~0.5MPa(7-72psi)
Temperature	5~40℃	5~40℃
Purification Water(Class III)		
Ionic Rejection	>95%	>95%
Bacteria Rejection	>99%	>99%
Conductivity	1~20us/cm(RO-2 5us/cm)	1~20us/cm(RO-2 5us/cm)
Productivity Rate	15L/h,30L/h	50L/h,100L/h,150L/h
Electrical Requirements		
Electrical Voltage	110V/220V±10%	110V/220V±10%
Electrical Frequency	50HZ/60HZ±10%	50HZ/60HZ±10%
Packing Information		
Net Weight		
Main units	21kg	74/76/78kg
Water tank	5kg	N/A,N/A,35kg
External Dimensions(W×D×H)		
Main units	315×525×570mm	650×660×1260mm
Water tank	380×380×595mm	N/A
Shipping weight		
Main units	34kg	96/98/100kg
Water tank	13kg	N/A,N/A,50kg
Shipping Dimensions(W×D×H)		
Main units	525×610×770mm	780×810×1400mm
Water tank	520×440×615mm	N/A,N/A,600×525×1680mm

* If feed water quality is poor(Conductivity>1000us/cm), strengthened pretreatment module and RO-2 type is highly recommended

** When hardness of feed water is high(>450ppm as CaCO3), 0.5T water soften is recommended

SMART RO



- 1 Solenoid Valve
- 2 Conductivity Sensor
- 3 Pre-treatment Module
- 4 Boost Pump
- 5 RO Module
- 6 Water Tank
- 7 254nm UV Cartridge
- 8 Micro-Filtration Cartridge